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Marine benthic metabarcoding

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Stellingen behorende bij het proefschrift

Marine benthic metabarcoding

Anthropogenic effects on benthic diversity from shore to deep sea;
assessed by metabarcoding and traditional taxonomy

Lise Klunder

1. Metabarcoding approaches is an effective method to assess anthropogenic disturbances on marine benthic diversity
2. Marine benthic assessments using a metabarcoding approach are highly influenced by the ecology of DNA
3. Comparing metabarcoding approaches with classic morphological taxonomy is akin to comparing apples and oranges
4. Although metabarcoding approaches have been used for more than a decade, the methodology is still in its infancy
5. The value of curated reference databases is underestimated as is the knowledge of specialized taxonomists
6. The replicability and reproducibility of method is a key strength of the approach